

LED LAMP SPECIFICATIONS:	30W	50W	80W	120W
Luminaire lumens (with diffuser)	<b>3050 lm</b>	<b>5100 lm</b>	<b>8150 lm</b>	<b>12200 lm</b>
Lumens from chip (no diffuser)	<b>3150 lm</b>	<b>5250 lm</b>	<b>8400 lm</b>	<b>12600 lm</b>
Useful lumens	<b>2700 lm</b>	<b>4400 lm</b>	<b>7200 lm</b>	<b>11000 lm</b>
Rated Wattage	30W	50W	80W	120W
Rated luminous flux	2700 lm	4400 lm	7200 lm	11000 lm
Nominal life time of the lamp	35,000 hrs	35,000 hrs	35,000 hrs	35,000 hrs
Colour temperature	4000K	4000K	4000K	4000K
Number of switching cycles before premature lamp failure	>15,000	>15,000	>15,000	>15,000
Warm-up time up to 60% of the full light output	Instant full light	Instant full light	Instant full light	Instant full light
Dimmable	No	No	No	No
LED array dimensions (L/H)	310 x 20mm	460 x 20mm	760 x 20mm	1160 x 20mm
Nominal beam angle	120°	120°	120°	120°
Rated power	30W	50W	80W	120W
Rated lamp lifetime	35,000 hrs	35,000 hrs	35,000 hrs	35,000 hrs
Lamp power factor	>0.9	>0.9	>0.9	>0.9
Lumen maintenance factor at end of nominal life	>0.7	>0.7	>0.7	>0.7
Starting time	<0.1	<0.1	<0.1	<0.1
Colour rendering	>80	>80	>80	>80
Colour consistency	Within a six step Macadam ellipse	Within a six step Macadam ellipse	Within a six step Macadam ellipse	Within a six step Macadam ellipse
Rated peak intensity	1100cd	1800cd	2900cd	4400cd
Rated beam angle	120°	120°	120°	120°
Voltage / Frequency	240V~50Hz	240V~50Hz	240V~50Hz	240V~50Hz

Not suitable for accent lighting

#### EVENTUALLY, YOU MAY WANT TO REPLACE THIS PRODUCT:

Regulations require the recycling of Waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005—UK WEEE Regulations effective 2nd January 2007). Environment Agency Registered Producer: WEE/ GA0248QZ.

WHEN YOUR PRODUCT COMES TO THE END OF ITS LIFE OR YOU CHOOSE TO REPLACE IT, PLEASE RECYCLE IT WHERE FACILITIES EXIST - DO NOT DISPOSE WITH HOUSEHOLD WASTE.

#### CLEANING:

Clean this product only with a soft dry cloth.

Disconnect the power and clean the exterior only of this fitting with a moist (not wet) cloth.

Do not use any chemical or abrasive cleaners.

#### IF YOU EXPERIENCE PROBLEMS:

If you believe your product is defective, please return it to the place where you bought it. Our Technical Team will gladly advise on any Eterna Lighting product, but may not be able to give specific instructions regarding individual installations.



Email: [sales@eterna-lighting.co.uk](mailto:sales@eterna-lighting.co.uk) / [technical@eterna-lighting.co.uk](mailto:technical@eterna-lighting.co.uk)

Visit our website: [www.eterna-lighting.co.uk](http://www.eterna-lighting.co.uk)

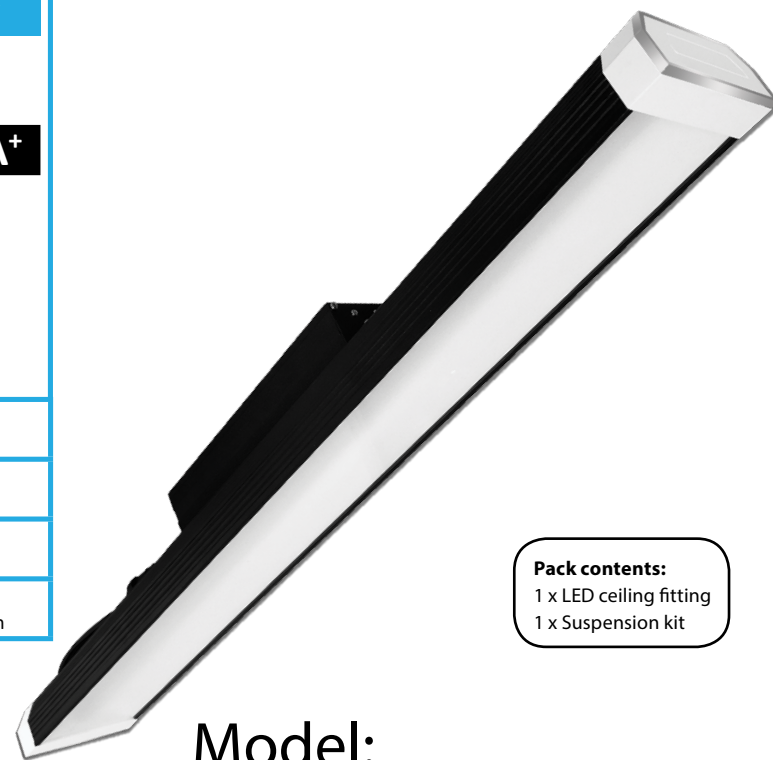
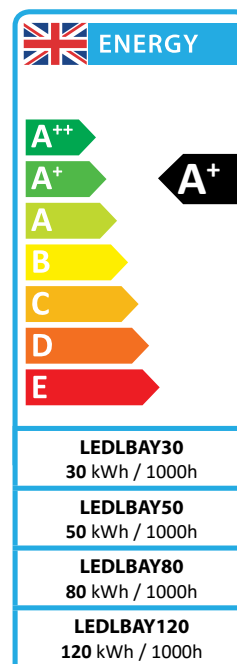
Issue 0521

Made in China

 **Eterna**  
Everyday Lighting For Professionals

## INSTALLATION INSTRUCTIONS

A guide for qualified electricians



**Pack contents:**  
1 x LED ceiling fitting  
1 x Suspension kit

Model:  
**LEDLBAY30/50/80/120**  
**30/50/80/120W Linear LED Luminaires**

These instructions are provided as a guideline to assist you.

**PLEASE READ THESE INSTRUCTIONS BEFORE INSTALLATION  
AND RETAIN FOR FUTURE REFERENCE**

## READ THIS FIRST:

Check the pack and make sure you have all of the parts listed on the front of this booklet. If not, contact the outlet where you bought this product.

This product must be installed by a competent person in accordance with the current building and IEE wiring regulations.

As the buyer, installer and/or user of this product it is your own responsibility to ensure that this fitting is fit for the purpose for which you have intended it. Eterna Lighting cannot accept any liability for loss, damage or premature failure resulting from inappropriate use.

This product is designed and constructed according to the principles of the appropriate British Standard. Using this fitting in an environment where there are prolonged periods of use or higher than normal ambient temperatures may result in a shortened working life

Switch off the mains before commencing installation and remove the appropriate circuit fuse or lock off MCB.

This unit is suitable for indoor use only.

This product is designed for permanent connection to fixed wiring: this must be a suitable circuit (protected with the appropriate MCB or fuse).

This product is suitable for installation on surfaces with normal flammability e.g. wood, plasterboard and masonry. It is not suitable for use on highly flammable surfaces (e.g. polystyrene, textiles).

Before making fixing hole(s), check that there are no obstructions hidden beneath the mounting surface such as pipes or cables.

Make sure that the fixings are strong enough to support the weight of the fitting and hold it rigidly.

The chosen location of your fitting should allow for the product to be securely mounted and anchored to a solid surface e.g. concrete, brick or a joist—do not fix directly onto panelling, cladding, plasterboard etc.

**This product must be connected to earth termination.**



Live – Brown or Red  
Neutral – Blue or Black  
Earth – Green and Yellow

When working at heights ensure you use a suitable platform.

The lamp must be positioned so that there is at least 0.5m (500mm) between the bulb and any illuminated surface.

Do not attach to surfaces which are damp, freshly painted or otherwise electrically conductive (e.g. metallic surfaces).

When making connections ensure that the terminals are tightened securely and that no strands of wire protrude. Check that the terminals are tightened onto the bared conductors and not onto any insulation.

You are advised at every stage of your installation to double-check any electrical connections you have made. After you have completed your installation there are electrical tests that should be carried out, these tests are specified in the current IEE wiring and building regulations. If in doubt, consult a qualified electrician.

## INSTALLATION:

1. Choose the location for your new light fitting giving considerations to the points listed opposite.
2. Isolate mains supply.
3. Choose suspension or bracket option – see opposite.
4. Mark fixing points, drill fixing holes according to your chosen fixing method and site the luminaire in place – see opposite.
5. Terminate loose ends of wire to an appropriate junction box or similar, ensuring the below is observed:  
  
Live - Brown / Red  
Neutral - Blue / Black  
Earth - Yellow / Green
6. Restore power and test the luminaire.

## LAMP REPLACEMENT:

**The light source is designed to last the lifetime of the luminaire.**

The light source contained in this luminaire shall only be replaced by the manufacturer, service agent or a similar qualified person.

**CAUTION, RISK OF ELECTRIC SHOCK.**



**NOTE:** fixing bracket is available separately if fixing direct to mounting surface; this can also be used if using suspension rods.

**BRACKET CODES:**  
**LBB3050 - for LEDLBAY30/50**  
**LBB80 - for LEDLBAY80**  
**LBB120 - for LEDLBAY120**



## SUSPENSION OPTION



1) Screw on suspension barrels.



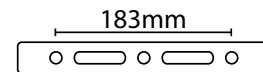
3) To release or to adjust the cable, press down the barrel release button on the top.



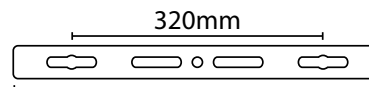
4) Attach the cables to the hooks provided.

2) Thread suspension cable through barrel to desired length.

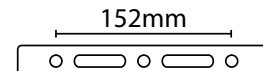
## BRACKET OPTION



LBB3050: 283mm



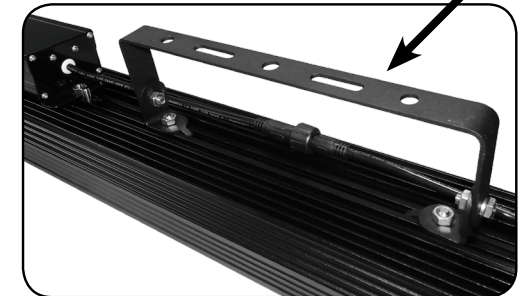
LBB80: 530mm



LBB120: 224mm (x2)

\*Bracket dimensions do NOT include end bolts

LEDLBAY120 has a bracket each side of the central wiring box



LEDLBAY30, 50 & 80 have 1 bracket positioned over the central wiring box



1) Attach bracket to adjustable screws.